DESIGN PANEL NO. 47 2-12-98

REDUNDANCY MANAGEMENT CSC - Ken Castner

DESCRIPTION

The Redundancy Management CSC monitors, and maintains the health of the RTPS. It does this by monitoring the health of both the software and hardware in the system. *If failures are detected and a recovery mechanism is in place, Redundancy Management implements the recovery*. All failures cause generation of a System Message.

Redundancy Management also manages the RTPS Test Set. The configuration of this Test Set is reflected in the System Configuration Table (SCT) during operations. This table specifies the hardware and software configuration, both logical and physical. The SCT specifies the resources allocated to Test Sets, which then support specific Activities. The static portion, and initial values for much of the dynamic part of the SCT are generated off-line and loaded by Redundancy Management into memory at initialization. Redundancy Management maintains the dynamic portion of the table and makes all data available to displays and other applications.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No action required			

Approved

DESIGN PANEL NO. 47 2-12-98

TEST BUILD AND CONROL (TBL) CSCI - Charla King

DESCRIPTION

Test Build and Control resides in the Shuttle Data Center (SDC) and provides the capability to create, populate, and install the tables and files that make up a Test Configuration Identifier (TCID). For each TCID, tables will be created for a CLCS Function Designator (FD) Directory, the CLCS Gateway Processor(s), a TCID Description, and other tables as required. Tables will be populated with data extracted from the CLCS Database Shuttle Automated Function Executive (DBSAFE) Database and data derived through software processing. Installation will generate deliverable files based on the content of the TCID tables, and install the deliverable TCID files, application software files (including Health and Fusion applications) and Dynamic Data Visualization Tool (DDVT) files into the TCID Staging Area for subsequent transfer to a CLCS set.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No action required			

Approved

DESIGN PANEL NO. 47 2-12-98

CONSTRAINT MANAGEMENT - Rodney Davis

DESCRIPTION

This thread builds on the initial Constraint Management Tool. The objective of Constraint Management processing is to provide a capability to monitor end item and system data for a predetermined condition and notify personnel operating the test set, and software application executing within the Test Set, that the monitored data has transitioned into or out of a constraint state. The underlying implementation is to be capable of monitoring all data, all of the time, and should be capable of deriving constraint conditions based on a comprehensive set of user or application specified algorithms.

ACTIONS	ACTIONEE	DUE DATE	STATUS
What is the status of providing an application to do retrievals from a CCWS.	Debbie Lee	2/24/98	In work

Approved